

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): ~~Composite~~ A composite material comprising, by weight, the total being 100% :

A) 40 to 90% of ~~polyvinyl difluoride~~ polyvinylidene fluoride (PVDF) homopolymer or copolymer crystallized essentially in the β form,

B) 10 to 60% of a conductive filler,

C) 0 to 40% of a crystalline or semi-crystalline polymer,

D) 0 to 40% of a filler other than C,

such that the crystals in the β form are nucleated on the surface of the particles of the conductive filler.

Claim 2 (currently amended) ~~Material~~ A material according to Claim 1, in which (A) is chosen from copolymers of VF2 and of VF3 having at least 60 mol% of VF2.

Claim 3 (currently amended): ~~Material~~ A material according to Claim 1, in which (A) is chosen from copolymers of VF2, of TFE and of HFP having at least 15 mol% of TFE units.

Claim 4 (currently amended): ~~Material~~ A material according to Claim 3, in which (A) is chosen from VF2-TFE-HFP copolymers with the respective molar composition 60 to 80/ 15 to 20/ 0 to 25.

Claim 5 (cancelled)

Claim 6 (original): A heating device comprising the composite material according to Claim 1.

Claim 7 (currently amended): ~~Material~~ A material according to Claim 1, comprising (C).

Claim 8 (currently amended): ~~Material~~ A material according to Claim 1, wherein the conductive filler (B) comprises a metal powder, carbon black, graphite or a metal oxide.

Claim 9 (currently amended): ~~Material~~ A material according to Claim 8, wherein the conductive filler (B) comprises graphite.

Claim 10 (currently amended): ~~Material~~ A material according to Claim 21, wherein the conductive filler (B) comprises a metal powder, carbon black, graphite or a metal oxide.

Claim 11 (currently amended): ~~Material~~ A material according to Claim 2, comprising (C), in which (C) comprises a PVDF homopolymer which is not in the β form or a VF2-HFP copolymer comprising at least 85 molar % of VF2.

Claim 12 (currently amended): ~~Material~~ A material according to Claim 3, comprising (C), in which (C) comprises a PVDF homopolymer which is not in the β form or a VF2-HFP copolymer comprising at least 85 molar % of VF2.

Claim 13 (currently amended): ~~Material~~ A material according to Claim 1, wherein in (A) the PVDF homopolymer or copolymer comprises at least 60% of the β form.

Claim 14 (currently amended): ~~Material~~ A material according to Claim 1, wherein in (A) the PVDF homopolymer or copolymer comprises at least 60% of the β form.

Claim 15 (currently amended): ~~Material~~ A material according to Claim 10, comprising (D) wherein (D) comprises at least one of silica, polymethyl methacrylate and a UV inhibitor.

Claim 16 (original): An article comprising an insulating surface coated with a coating of the composite material according to Claim 1.

Claim 17 (original): An article according to Claim 16, wherein the insulating surface is a ceramic.

Claim 18 (original): A paint comprising a solvent dispersion of the composite material according to Claim 1.

Claim 19 (original): A process of producing the article according to Claim 16, comprising applying the coating as a melt of the composite material to the insulating surface.

Claim 20 (original): A process of producing the article according to Claim 16, comprising applying the coating as a solvent dispersion of the composite material to the insulating surface.

Claim 21 (new): A composite material comprising, by weight, the total being 100% :

A) 40 to 90% of polyvinylidene fluoride (PVDF) homopolymer or copolymer crystallized essentially in the β form,

B) 10 to 60% of a conductive filler,

C) not more than 40% of (A),

D) 0 to 40% of a filler other than C,

such that the crystals in the β form are nucleated on the surface of the particles of the conductive filler (PVDF) homopolymer which is not in the β form or a VF2-HFP copolymer comprising at least 85 mol % of VF2.

Claim 22 (new): A material according to Claim 21, in which (A) is chosen from copolymers of VF2 and of VF3 having at least 60 mol% of VF2.

Claim 23 (new): A material according to Claim 21, in which (A) is chosen from copolymers of VF2, of TFE and of HFP having at least 15 mol% of TFE units.

Claim 24 (new): A material according to Claim 21, in which (A) is chosen from VF2-TFE-HFP copolymers with the respective molar composition 60 to 80/ 15 to 20/ 0 to 25.

Claim 25 (new): A material according to Claim 21, wherein the conductive filler (B) comprises a metal powder, carbon black, graphite or a metal oxide.

Claim 26 (new): A material according to Claim 21, wherein the conductive filler (B) comprises graphite.

Claim 27 (new): A material according to Claim 21, comprising (D) wherein (D) comprises at least one of silica, polymethyl methacrylate and a UV inhibitor.

Claim 28 (new): An article according to Claim 21, wherein the insulating surface is a ceramic.

Claim 29 (new): A paint comprising a solvent dispersion of the composite material according to Claim 21.

Claim 30 (new): A material according to claim 21, in which (C) comprises said PVDF homopolymer which is not in the data form.

Claim 31 (new): A material according to claim 21, in which (C) comprises a VF2-HFP copolymer comprising at least 85 mol % of VF2.

REMARKS

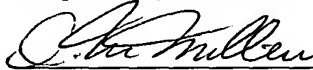
By virtue of this Preliminary Amendment, claim 5 which was indicated as to be allowable is placed in independent form is now cancelled in favor of new claim 21. The additional dependent claims have antecedent basis in the original claims with the exception that they are made dependent on claim 21.

With respect to claim 1 and those claims dependent thereon, discussions will be forthcoming with the Applicants, in order to address the rejections in the first Office Action on the merits.

In any case, it is respectfully submitted that since this is a continuation application and the fact that there was no final rejection in the parent application, it would be improper to issue a final rejection in this application at this juncture.

The Commissioner is hereby authorized to charge any fees associated with this response or credit any overpayment to Deposit Account No. 13-3402.

Respectfully submitted,



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